



► Series 3590

Heavy Duty Overlaminates

Series 3590 overlaminates is a 12-mil (305 micron) film with a clear, permanent pressure-sensitive adhesive. The heavy gauge product is designed to protect decals and graphics while maintaining high clarity. Series 3590 is rated for an outdoor durability up to 2 years.

APPLICATIONS & FEATURES

- Protective overlaminates for racing and dirt bikes
- Use in conjunction with Arlon's DPF 8000 film
- Arlon overlaminates film is designed to be laminated cold without any heat

RECOMMENDED LAMINATION TECHNIQUES

- Heat for lamination: 110°F to 120°F (43°C to 49°C)
- Nip Pressure: 100# PSI
- Lamination speed: 1.5 FPM

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	70 to 90 Gloss Units	
THICKNESS	Micrometer, Federal Bench Type	12-mil (305 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 45.67 lb/in	≥ 8.16 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 271%	
SHELF LIFE (IN BOX)	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	50°F to 80°F	10°C to 26°C
SERVICE TEMPERATURE RANGE	Film applied to etched aluminum panels 24 hours prior to testing	-40°F to 176°F	-40°C to 80°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours, on aluminum panel	20-mil	0.51 mm
PEEL ADHESION	PSTC-1, 15 min. 70°F (21°C)	≥ 2.27 lbs/in	≥ 0.40 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	120 g/2 in	47 g/cm
HUMIDITY RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity, 100°F (38°C) for 500 hours.	No Appreciable Effect	
GASOLINE RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. Immersed 30 minutes at 70°F (21°C), stabilized for 24 hours before inspection.	No Appreciable Effect	




Standard Terms & Conditions Apply







TERMS & CONDITIONS

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